

Alice Thudt

1122 18th Ave NW
Calgary, AB, T2M0V9

Tel: +1-(403) 918 4919
alice.thudt@googlemail.com

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Curriculum Vitae

SCHOOL AND UNIVERSITY

- May 2013 - present *PhD in Computer Science with specialization in Computational Media Design, Innovis Group, University of Calgary, Canada (GPA 3.93)*
Research Interests: Information Visualization, Human Computer Interaction and Interface Design
- Oct 2006 - Mar 2012 *Media Informatics, Ludwig-Maximilians University, Munich, Germany*
Diplom, GPA 1.05, Passed with Honour (GPA equivalent 4.0¹)
Thesis: „Studying Interactive Information Visualizations to Support Book Exploration“, Grade 1.0 (equivalent 4.0)
Research Internships, Innovis Group, University of Calgary, Canada (Aug 2010 - Dec 2010 and Aug 2011 - Sep 2011)
- Oct 2005 - Sep 2006 *Mathematics, TU Munich, Germany*
- Sep 1996 - Jul 2005 *Sophie-Scholl-Gymnasium, Munich, Germany*
Major subjects: Arts, Mathematics
Graduated best in class, GPA 1.2 (equivalent 4.0)

ACADEMIC WORK EXPERIENCE

- Aug 2015 - Dec 2015 *Visiting Researcher, Aviz Group, Inria Saclay, France*
Project: *Designing Interaction Instruments for Physical Visualizations*
- Jul 2012 - Sep 2012 *Visiting Researcher, Innovis Group, University of Calgary, Canada*
Project: *Spatiotemporal Visualization of Location Histories for Reminiscing*
- Aug 2011 - Sep 2011 *Research Intern, Innovis Group, University of Calgary, Canada*
Project: *Studying Interactive Information Visualizations to Support Book Exploration*
- Aug 2010 - Dec 2010 *Research Intern, Innovis Group, University of Calgary, Canada*
Project: *Supporting Serendipity through Visualization*

¹ German GPAs between 1.0 and 1.5 translate to Canadian GPAs 4.0
<http://cor.ucalgary.ca/InternationalRequirementsforGermany.aspx>

ENTREPRENEURIAL AND INDUSTRIAL EXPERIENCE

- Nov 2014 - Dec 2014 *Consultant for Information Visualization and Interface Design*, John G. Wolbach Library of the Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA
My role was interviewing Astrophysicists at the Harvard CfA about their search process and consulting the developers of the NASA Astrophysics Data System in questions of interface and visualization design to support exploratory search.
- Mar 2009 - Jun 2012 *Independent Consultant for User-Interface Design and Software Development*
- Mar 2008 - Aug 2008 *Working Student, Xmedio*
Game Programming and Level Design
- Apr 2007- Feb 2008 *Working Student and Internship, edelweiss72*
Web Development, Conception and Design

AWARDS

Received

- May 2015 Alberta Innovates - Technology Futures (AITF) Doctoral Scholarship – \$31500 CAD
- Apr 2015 Mitacs Globalink Research Award – \$5000 CAD
- Sep 2014 CRIO-W21C Health Services Research Scholarship – \$30000 CAD
- Aug 2014 Department Research Award – \$8000 CAD
- May 2014 Eyes High Leadership Doctoral Scholarship – \$4000 CAD
- June 2014 *Honorable Mention Award*, ACM Conference on Designing Interactive Systems, Vancouver, Canada
Paper: Samuel Huron, Sheelagh Carpendale, Alice Thudt, Anthony Tang and Michael Mauerer. "Constructive Visualization". In Proceedings of DIS 2014
- Dec 2013 CMD Recruiting Scholarship – \$2500 CAD
- Sep 2013 CRIO-W21C Health Services Research Scholarship – \$30000 CAD
- Sep 2013 Faculty of Graduate Studies Recruiting Scholarship – \$3000 CAD
- Aug 2013 Departmental Entrance Research Award - \$8000 CAD
- Jul 2013 *First Prize in the Summer School for Big Data and Information Visualization*, University of St Andrews, Scotland.
This is an international summer school that accepted only 30 students from graduate programs all over the world. I was delighted when my group received first prize for our project on visualizing human migration patterns. I received a small engraved chalice.
- Jun 2013 *Best Paper Award*, Eurographics Conference on Visualization, Leipzig, Germany
Paper: Alice Thudt et al. „Visits: A Spatiotemporal Visualization of Location Histories“, In Proceedings of EuroVis 2013.
EuroVis is jointly organized by the Eurographics Working Group on Data Visualization and the IEEE Visualization and Graphics Technical Committee. It is considered one of the two top venues for visualization.
- Nov 2012 *Award of Excellence*, awarded to the top 5% of students – 4200 EUR
- Jul 2005 - Jul 2007 *e-fellows Scholarship*
- Jul 2005 - Jul 2006 *Free Membership in the German Physics Society*
German Physics Society awards free memberships for outstanding achievement in

Mathematics and Physics

Jul 2005 *Graduated Best in Class*, Sophie-Scholl Gymnasium, Munich

Mar 2005 *First Prize*, Design Competition of the Diabetes Research Institute in Munich

Invited Applications

Sep 2013 *Vanier Scholarship*, The University of Calgary selects few applications to go forward for a Vanier Scholarship. My application has been forwarded to the national competition.

PUBLICATIONS

Peer Reviewed Publications

Jul 2017 Alice Thudt, Charles Perin, Wesley Willett, Sheelagh Carpendale

Subjectivity in Personal Storytelling with Visualization

In Special Issue on Information Visualization Information Design Journal 23:1, 2017

May 2017 Alice Thudt, Uta Hinrichs, Sheelagh Carpendale

Data Craft: Integrating Data into Daily Practices and Shared Reflections

In CHI'17 Workshop on Quantified Data and Social Relationships, 2017

Mar 2017 Alice Thudt, Bongshin Lee, Eun Kyoung Choe, Sheelagh Carpendale

Expanding Research Methods for a Realistic Understanding of Personal Visualization

In CG&A Visualization Viewpoints, 2017

Oct 2015 Alice Thudt, Dominikus Baur, Samuel Huron, Sheelagh Carpendale

Visual Mementos: Reflecting Memories with Personal Data

In TVCG '15: IEEE Transactions on Visualization and Computer Graphics

Jun 2015 Alice Thudt, Uta Hinrichs, Sheelagh Carpendale.

A Modular Approach to Promote Creativity and Inspiration in Search

In C&C '15: Proceedings of the ACM Conference on Creativity and Cognition

Jun 2014 Samuel Huron, Sheelagh Carpendale, Alice Thudt, Anthony Tang, Michael Maurer.

Constructive Visualization

In DIS '14: Proceedings of the ACM Conference on Designing Interactive Systems

Honorable Mention Award

Jun 2014 Alice Thudt, Dominikus Baur and Sheelagh Carpendale

Autobiographical Visualizations: Challenges in Personal Storytelling.

In Proceedings of the DIS'14 Workshop on A Personal Perspective on Visualization and Visual Analytics, 2014

Jun 2013 Alice Thudt, Dominikus Baur and Sheelagh Carpendale.

Visits: A Spatiotemporal Visualization of Location Histories

In EuroVis '13: Proceedings of the Eurographics Conference on Visualization

Best Short Paper Award

May 2012 Alice Thudt, Uta Hinrichs and Sheelagh Carpendale.

The Bohemian Bookshelf: Supporting Serendipitous Book Discoveries through Information Visualization

In CHI '12: Proceedings of the ACM Conference on Human Factors in Computing Systems.

Presentations

- Sep 2015 *Invited Lecture* "Visualization: Available Tools, Use Cases, Examples" Data Scientist Training for Librarians at the DTU Library, Sep 10th 2015, Copenhagen, Denmark
- Jun 2015 *Conference Presentation* "A Modular Approach to Promote Creativity and Inspiration in Search" ACM Conference on Creativity and Cognition Jun 24th 2015, Glasgow, Scotland
- Jul 2013 *Invited Talk* „Using Visualization to Support Serendipity in Digital Collections“ Jul 5th 2013, City University London, UK
- Jun 2013 *Conference Presentation* „Visits: A Spatiotemporal Visualization of Location Histories" Eurographics Conference on Visualization Jun 20th 2013, Leipzig, Germany
- Feb 2013 *Invited Keynote Talk* „The Bohemian Bookshelf: Supporting Serendipitous Book Discoveries through Information Visualization“, Mar 1st 2013, Liberact Workshop, Harvard Library, Cambridge, USA
- As a speaker, I was asked to lead a break out workshop. I moderated the discussion in a group of seven librarians from different libraries across the world. I was further interviewed at LIBERACT and the Harvard Library posted an article about the workshop featured my interview and the Bohemian Bookshelf.
- Nov 2012 *Invited Talk* „Studying Interactive Visualizations to Support Open-Ended Exploration and Serendipitous Discoveries“, Nov 12th 2012, AVIZ group, INRIA, Saclay Île-de-France, France
- Oct 2012 *Invited Talk* „The Bohemian Bookshelf: Supporting Serendipitous Book Discoveries through Information Visualization“, Oct 12th 2012, *Interactive Technologies for Libraries and Museums – 3 Presentations on the State of the Art*, St Andrews, Scotland
- Sep 2012 *Invited Talk* „The Bohemian Bookshelf“, Sep 11th 2012, Forschungskolloquium, Telekom Innovation Laboratories, Berlin, Germany
- May 2012 *Conference Presentation* „The Bohemian Bookshelf: Supporting Serendipitous Book Discoveries through Information Visualization" at the SIGCHI Conference on Human Factors in Computing Systems, May 8th 2012, Austin, TX, USA

Demonstrations & Exhibitions

- Oct 2013 *The Bohemian Bookshelf*, Young Innovators Exhibit at the ASTech Award Gala, Calgary, Canada.
- Nov 2012 *The Bohemian Bookshelf*, push conference, Munich, Germany
- May 2012 Alice Thudt, Uta Hinrichs and Sheelagh Carpendale.
The Bohemian Bookshelf: Supporting Serendipitous Book Discoveries through Information Visualization
In ACM CHI Interactivity 2012, Austin TX, USA
The ACM CHI Interactivity Chair, Dr. Baudisch selected Bohemian Bookshelf as one of the few (5 out of 66) to showcase to a representative from the New York Times.

MENTORING AND TEACHING EXPERIENCE

- May 2015 – Oct 2015 *Mentoring Undergraduate Student*
- Jan 2015 – Apr 2015 *Teaching Assistant*, Human Computer Interaction (CPSC 481)
- Jan 2014 - Apr 2014 *Teaching Assistant*, Information Visualization (CPSC 583)
- May 2013 – Jan 2014 *Mentoring Exchange Student*
I was mentoring an exchange student working on his Diplom thesis for LMU, where I discussed research questions and offered suggestions and guidance.

- Oct 2012 - Mar 2013 *Research and Teaching Assistant*, Mediainformatics Group, LMU München
I was responsible for preparing curricula and exams for different classes in collaboration with the professor, teaching exercises and supporting students with weaker programming skills.
- Sep 2008 - Mar 2012 *Teaching Student*, LMU München
Databases I (Prof. Böhm), *Computer Graphics* (Prof. Butz), *Media Technology* (Prof. Hussmann), *Digital Media* (Prof. Hussmann), *Introduction to Informatics* (Dr. Kröger), *Informatics I* (Dr. Kröger)
My responsibilities were leading teaching exercises and correcting student assignments and exams for several different courses.

PROFESSIONAL SERVICES

Program Committees

- 2014 *The Search Is Over* (Workshop in Conjunction with ACM/IEEE Joint Conference on Digital Libraries 2014)

Reviewing

- 2016 *DIS* (ACM Conference on Designing Interactive Systems)
2016 *AVI* (ACM Conference on Advanced Visual Interfaces)
2015 *CHI* (ACM SIGCHI Conference on Human Factors in Computing Systems)
2014 *InfoVis* (IEEE Information Visualization Conference)
2013 *UIST* (ACM User Interface Software and Technology Symposium)
2013 *CG&A* (IEEE Journal on Computer Graphics and Applications)

Student Volunteering

- 2013 - 2014, 2017 *IEEE VisWeek*
2014 *CHI* (ACM SIGCHI Conference on Human Factors in Computing Systems)

KNOWLEDGE TRANSFER

- Jan 2014 *Canada Science and Technology Museum, Ottawa*
A version of the Bohemian Bookshelf is was adapted to showcase a selected set of artifacts from the Ottawa Science and Technology Museum.
- 2014 *Taylor Family Digital Library, Calgary*
The TFDL has integrated the Bohemian Bookshelf as a permanent installation that showcases one of their special collections data sets.

SKILLS

- Language Skills German (Mother Language), English (Proficient), French (Beginner)
Programming HTML, CSS, Javascript, PHP, D3, Java, Processing, Flash Actionscript,
Tools Eclipse, Flex, Photoshop, Illustrator, Flash, GIMP

EXTRADISCIPLINARY INTERESTS

I have travelled extensively to different countries around the world particularly in Asia, South-America, and Europe and deliberately sought experiences off the beaten track, which have profoundly deepened my understanding of challenges and opportunities in our emerging global culture.

Other Hobbies are Pottery, Painting and Drawing, Music, Hiking, Climbing and Skiing.